PROTOTYPE TEST REPORT –
ISO SERIES 1 CONTAINERS (Form FC3)

Report Number (Office C/N)	*Checklist of submitted reports*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**1**

Test No.

General Containers

- ☒ - Container identification
- ☒ **1** Dimensional check including Top Length Shortening
- ☒ **2** Stacking test
- ☐ **2A** Stacking test - platform container, folded
- ☐ **3A** Lifting test – platform container, folded
- ☒ **3** Lifting test – top corner fittings
- ☒ **4** Lifting test – bottom corner fittings
- ☐ **5** Lifting test – fork lift pockets for loaded containers
- ☐ **6** Lifting test – fork lift pockets for unloaded containers
- ☒ **7** Floor strength test - concentrated
- ☒ **8** Restraint test
- ☒ **9** End wall strength test
- ☒ **10** Side wall strength test
- ☒ **11** Roof strength test
- ☒ **12** Transverse racking test - door end
- ☒ **13** Transverse racking test - closed end
- ☒ **14** Longitudinal racking test
- ☒ **15** Weather tightness test

Tank Containers

- ☐ **16** Longitudinal inertia test
- ☐ **17** Lateral inertia test
- ☐ **18** Pressure test
- ☐ **19** Walkway test
- ☐ **20** Ladder test

Thermal Containers

- ☐ **21** Air leakage test
- ☐ **22** Heat transfer test
- ☐ **23** Performance test

Summary

- ☒ **24** Control check of base deflections

Additional Tests

- ☐ **25** Cargo securing systems – general cargo containers
- ☐ **26** Cargo hanging rails
- ☐ **27** Load-transfer areas – tank containers
- ☐ **28** Lifting test – side apertures of corner fittings
- ☐ **29** Dynamic impact test – tank containers
- ☐ **30** One-door-off operation tests – general cargo containers

PROTOTYPE TEST REPORT –
ISO SERIES 1 CONTAINERS (Form FC3)
General Containers

Report Number (Office C/N)	*Container identification*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**2**

MANUFACTURER			
Name	SHPI Jiangmen Limited.		
Address	No.28, Fukang 5th Street Chaolian Town, Pengjiang District Jiangmen, China		
TEST FACILITY			
Name	FUWA		
Address	City Guangdong Province P.R. China .		
OWNER			
Name			
Address			

Type of container	Type designation (IAA, ICC, SWAP, etc.)	Model number
20'x8'x8'6'' Aluminum Container	20'	SHD20-09
Nominal dimensions	Manufacturer's serial number	Owner's operating number
20'x8'x8'6''		

Maximum gross weight (R)	Tare weight (T)	Maximum cargo weight (P)	Cargo capacity
30,480 kg	2,230 kg	28,250 kg	31.6 m^3

DESIGN DIMENSIONS		
External length	External width	External height
6,058(+0, -6) mm	2,438(+0, -5) mm	2,591(+0, -5) mm
Internal length	Internal width	Internal height
5,827(+0, -6) mm	2,286(+0, -5) mm	2,372(+0, -5) mm

Door-opening width	Door-opening height
2,114(+0,-5) mm	2,262(+0,-5) mm

Test date	Audit date
June 19,2017	

This is to affirm the undersigned Surveyor did witness the testing of the container identified above on the

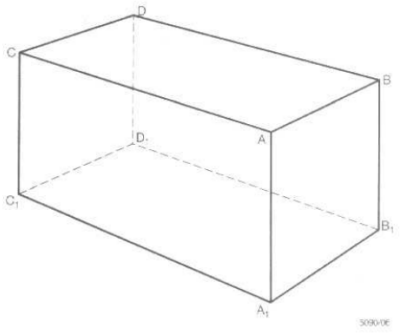
19 (day) June (month) 2017 (year) and subsequent dates.

H.Q.Li

Inspector

PROTOTYPE TEST REPORT –
ISO SERIES 1 CONTAINERS (Form FC3)
General Containers

Report Number (Office C/N)	*Test No. 1. Dimensional check including Top Length shortening*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**3**



DESIGN DIMENSIONS		
	mm	**±Δ**
Length	6,058	+0 -6
Width	2,438	+0 -5
Height	2,591	+0 -5

ACTUAL DIMENSIONS (in mm)

	Reference	Before testing	After testing	±Δ	Diagonals	Reference	Before testing	After testing	±Δ
Length	A – C	6,057	6,057	0	Side walls	A – C_1	6,587	6,585	-2
	B – D	6,058	6,057	-1		C – A_1	6,585	6,585	0
	A_1 – C_1	6,057	6,057	0		B – D_1	6,586	6,585	-1
	B_1 – D_1	6,057	6,057	0		D – B_1	6,585	6,584	-1
Door end	A – A_1	2,591	2,591	0	Roof	A – D	6,528	6,527	-1
	B – B_1	2,590	2,590	0		B – C	6,527	6,526	-1
	A – B	2,438	2,437	-1	Base	A_1 – D_1	6,527	6,528	+1
	A_1 – B_1	2,437	2,437	0		B_1 – C_1	6,528	6,527	-1
Front end	C – C_1	2,590	2,590	0	Rear end	A – B_1	3,556	3,555	-1
	D – D_1	2,591	2,591	0		B – A_1	3,555	3,556	+1
	C – D	2,438	2,437	-1	Front end	C – D_1	3,556	3,557	+1
	C_1 – D_1	2,438	2,437	-1		D – C_1	3,556	3,555	-1

Actual Door Opening width	2,112	mm	Actual Door Opening Height	2,260	mm

Comments: Satisfactory

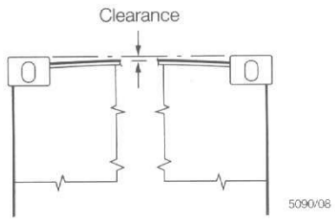
H.Q.Li

Inspector

PROTOTYPE TEST REPORT –
ISO SERIES 1 CONTAINERS (Form FC3)
General Containers

Report Number (Office C/N)	*Test No. 1. Dimensional check including Top Length Shortening*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**4**

ROOF CLEARANCE



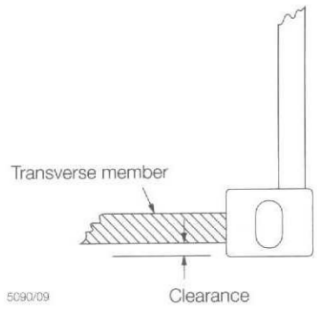
MINIMUM CLEARANCE = 6 mm

Container was checked and was in tolerance

H.Q.Li

Inspector

LOAD TRANSFER AREA CLEARANCE



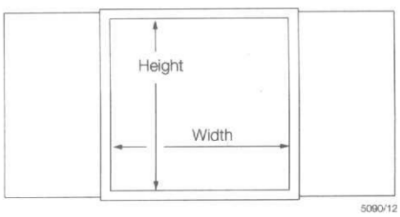
CLEARANCE = $12.5^{+5}_{-1.5}$ mm

Container was checked and was in tolerance

H.Q.Li

Inspector

EXTERNAL HEIGHT	MINIMUM DOOR OPENING			
	WIDTH (mm)		HEIGHT (mm)	
	Dry cargo	Thermal	Dry cargo	Thermal
8′	2286	2218	2134	2093
8′6″	2286	2218	2261	2246
9′	2286	2218	2413	2398
9′6″	2286	2218	2566	2551



Container was checked and was not in tolerance

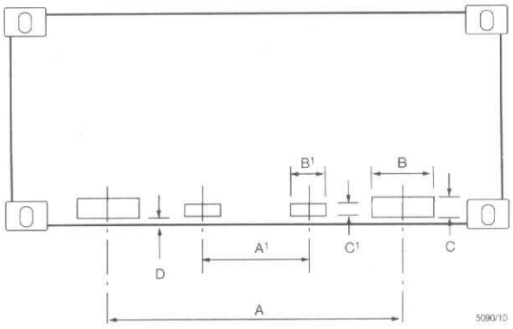
H.Q.Li

Inspector

PROTOTYPE TEST REPORT –
ISO SERIES 1 CONTAINERS (Form FC3)
General Containers

Report Number (Office C/N)	*Test No. 1. Dimensional check including Top Length Shortening*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**5**

FORK LIFT POCKETS



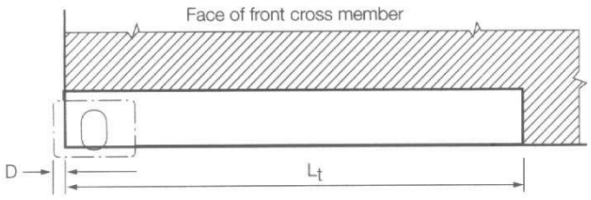
The dimensions were checked and were in tolerance

N/A

Inspector

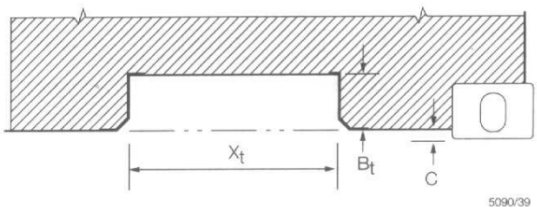
DIMENSIONS						
FORK POCKETS FOR LOADED AND UNLOADED CONTAINERS				FORK POCKETS FOR UNLOADED CONTAINERS ONLY		
mm				mm		
A	B	C	D	A^1	B^1	C^1
2050 ±50	355 min.	115 min.	20 min.	900 ±50	305 min.	102 min.

GOOSENECK TUNNEL



5090/11

NOTE: The B_t tolerance should be measured in the rear part of the tunnel on a length of about 600 mm



DIMENSIONS		
		mm
LENGTH	L_t	3150 min.
	D	6^{+1}_{-2}
WIDTH	X_t	1029^{+3}_{-0}
HEIGHT	B_t	120^{+0}_{-3}
	C	$12.5^{+5}_{-1.5}$

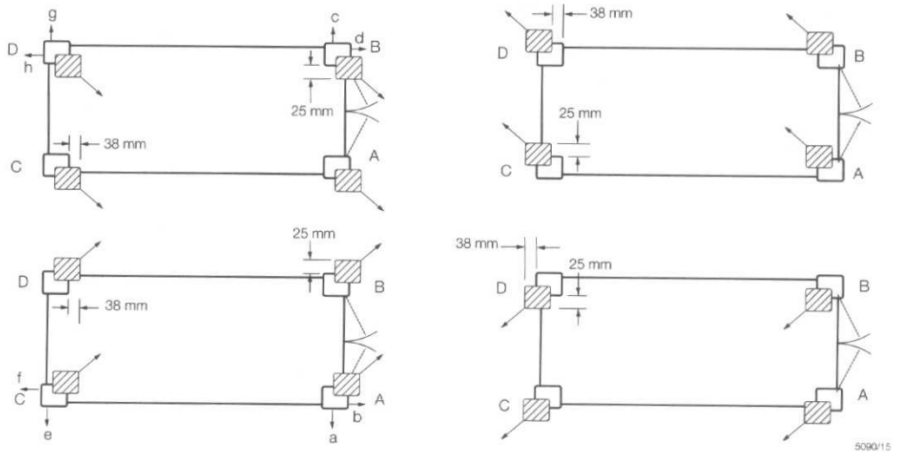
The dimensions were checked and were/were not in tolerance

N/A

Inspector

PROTOTYPE TEST REPORT –
ISO SERIES 1 CONTAINERS (Form FC3)
General Containers

Report Number (Office C/N)	*Test No. 2. Stacking test*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**6**



R = 30,480 kg	1.8R - T = 52,634 kg	Test load = 97,200 kg

LOAD		SUMMARY OF CONRNER STRUCTURE DEFLECTIONS FOR EACH TEST								LENGTH OF CORNER STRUCTURES			
		a	b	c	d	e	f	g	h	A – A_1	B – B_1	C – C_1	D – D_1
	0 (i)	10	10	10	10	10	10	10	10	10	10	10	10
1	LOAD	14.31	9.47	10.07	8.78	10.10	9.62	9.82	10.92	12.0	11..0	9.0	11.0
	DEFLECTION	4.31	0.53	0.07	1.22	0.10	0.38	0.18	0.92	2.0	1.0	1.0	1.0
	0	10.80	9.78	9.90	8.90	10.08	9.90	10.09	10.27	10.0	10.0	10.0	10.0
	0	10.80	9.78	9.90	8.90	10.08	9.90	10.09	10.27	10..0	10.0	10.0	10.0
2	LOAD	14.6	9.20	9.82	8.11	10.38	9.88	9.98	10.65	13.0	10.0	9.0	11.0
	DEFLECTION	3.80	0.58	0.08	0.79	0.30	0.12	0.11	0.38	3.0	0	1.0	1.0
	0	10.86	9.70	9.90	8.90	9.08	9.98	10.10	10.25	10.0	10.0	10.0	10.0
	0												
3	LOAD												
	DEFLECTION												
	0												
	0												
4	LOAD												
	DEFLECTION												
	0 (ii)												
Permanent set (i-ii)		0.86	0.30	0.10	1.10	0.92	0.02	0.10	0.25	0	0	0	0

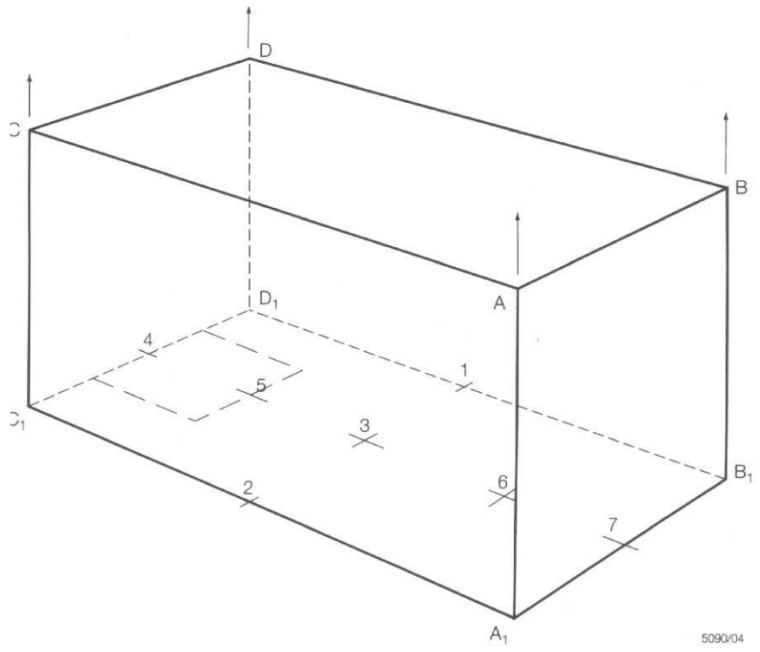
Comments: Satisfactory

H.Q.Li

Inspector

PROTOTYPE TEST REPORT – ISO SERIES 1 CONTAINERS (Form FC3) General Containers

Report Number (Office C/N)	*Test No. 3. Lifting test – top corner fittings* For Base	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**7**



2R = 60,960 kg	2R - T = 58,730 kg

CONDITION		1	2	3	4	5	6	7
Empty before test	(a)	65	80	68	43	60	78	69
Deflections loaded on pads	(b)	60	75	48	43	42	63	67
Deflections during lift	(c)	59	74	47	43	42	62	65
Max deflection (a) – (c)		6	6	21	0	18	16	4
Deflections after lowering onto pads	(d)	60	75	48	43	42	63	67
Empty after test	(e)	64	79	67	43	59	77	68
Permanent set (a) – (e)		1	1	1	0	1	1	1

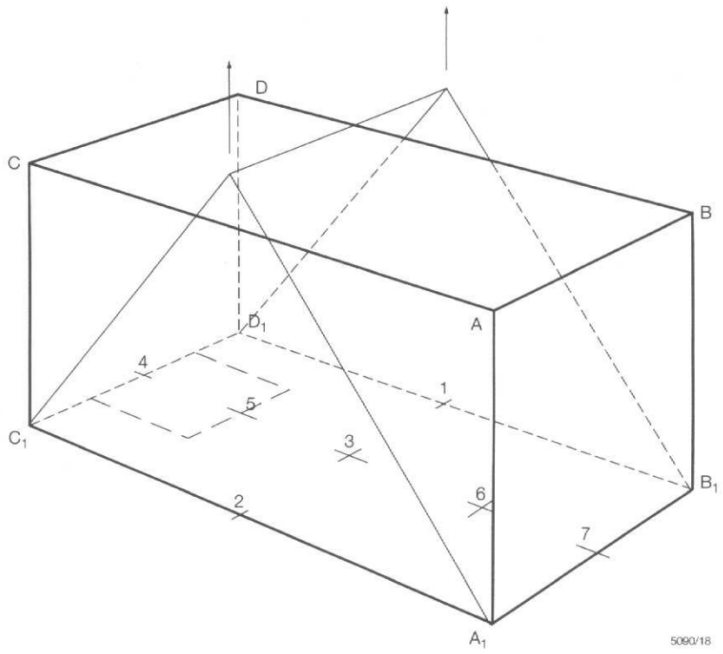
Comments: Satisfactory

H.Q.Li

Inspector

PROTOTYPE TEST REPORT – ISO SERIES 1 CONTAINERS (Form FC3) General Containers

Report Number (Office C/N)	*Test No. 4. Lifting test – bottom corner fittings*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**8**



2R = 60,960 kg	2R - T = 58,730 kg

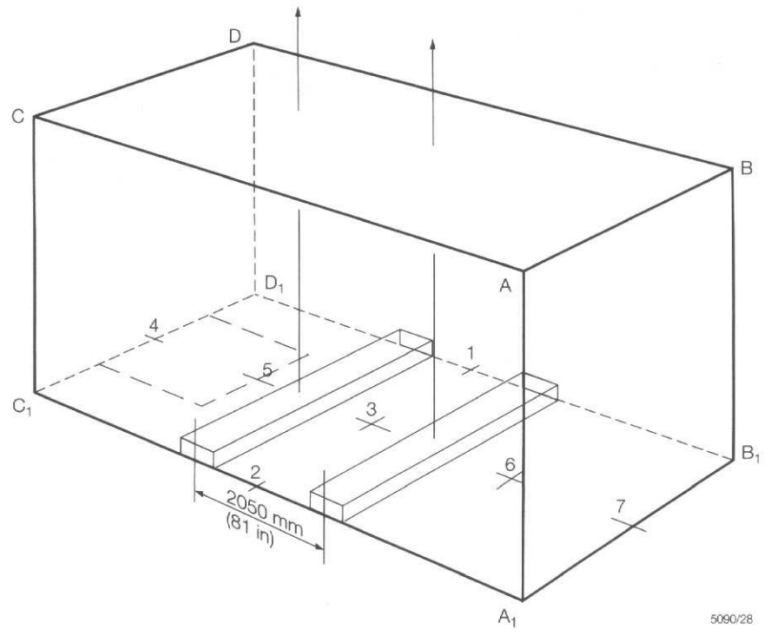
Comments: Satisfactory

H.Q.Li

Inspector

PROTOTYPE TEST REPORT – ISO SERIES 1 CONTAINERS (Form FC3) General Containers

Report Number (Office C/N)	*Test No. 5. Lifting test – fork lift pockets for loaded containers*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**9**



1.6R = 14,400 kg	1.6R - T = 6,600 kg

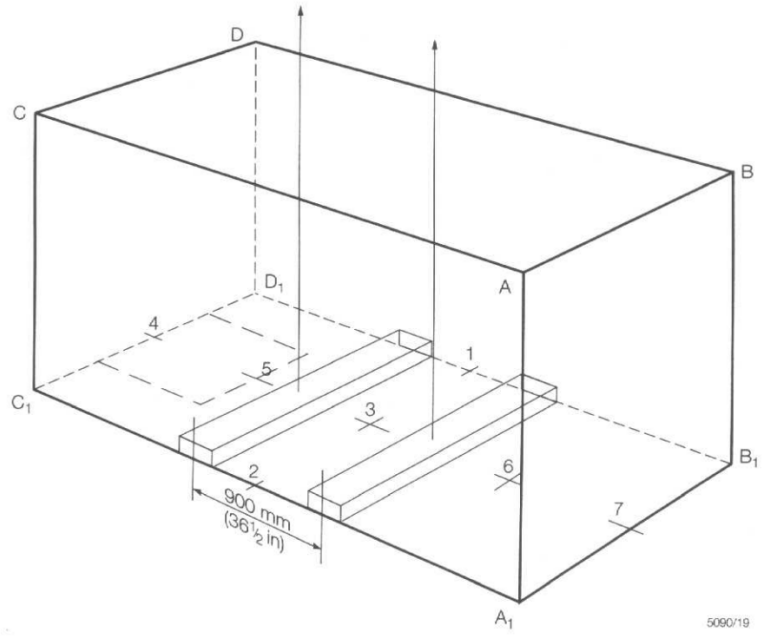
Comments: Satisfactory

N/A

Inspector

PROTOTYPE TEST REPORT –
ISO SERIES 1 CONTAINERS (Form FC3)
General Containers

Report Number (Office C/N)	*Test No. 6. Lifting test – fork lift pockets for unloaded containers*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**10**



0.625R = kg	0.625R - T = kg

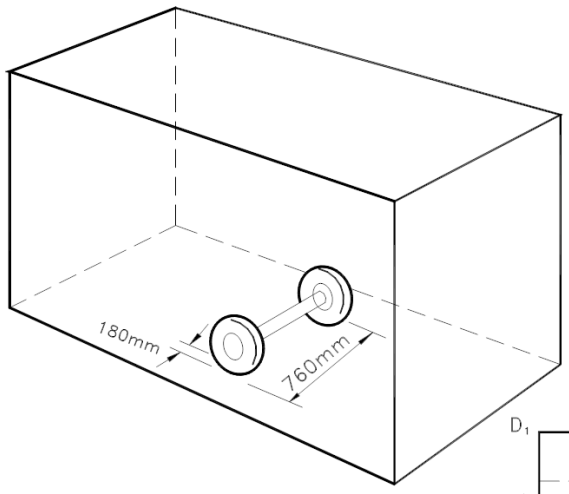
Comments: Satisfactory

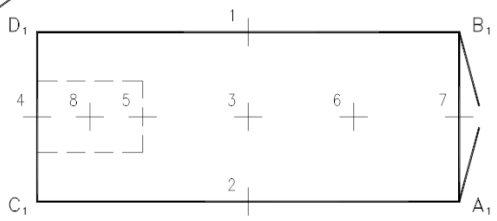
N/A

Inspector

PROTOTYPE TEST REPORT –
ISO SERIES 1 CONTAINERS (Form FC3)
General Containers

Report Number (Office C/N)	*Test No. 7. Floor strength test - concentrated*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**11**





Total Axle Load = 7,260 kg

		DEFLECTIONS							
CONDITION		1	2	3	4	5	6	7	8
Before test	(a)	64	79	67	43	59	77	68	62
With load at centre of floor	(b)	62	77	50	43	52	72	63	57
Deflection	(a) – (b)	2	2	17	0	7	5	5	5
After test	(c)	64	79	67	43	59	77	68	62
Permanent deformation	(a) – (c)	0	0	0	0	0	0	0	0

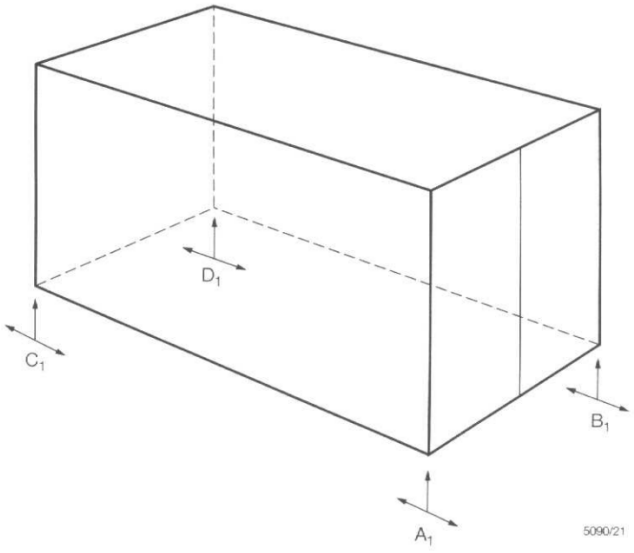
Comments: Satisfactory

H.Q.Li

Inspector

PROTOTYPE TEST REPORT –
ISO SERIES 1 CONTAINERS (Form FC3)
General Containers

Report Number (Office C/N)	*Test No. 8. Restraint test*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**12**



R = 30,480 kg	2R = 60,960 kg	R – T = 28,250 kg

CONDITION		LENGTH BEFORE TEST	LENGTH DURING TEST	LENGTH AFTER TEST	LONGITUDINAL DEFORMATION
Compression	$A_1 - C_1$	**6,057**	**6,054**	**6,057**	**0**
	$B_1 - D_1$	**6,057**	**6,054**	**6,057**	**0**
Tension	$A_1 - C_1$	**6,057**	**6,063**	**6,057**	**0**
	$B_1 - D_1$	**6,057**	**6,062**	**6,057**	**0**

Comments: Satisfactory

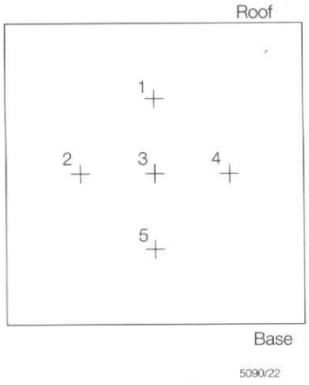
H.Q.Li

Inspector

PROTOTYPE TEST REPORT –
ISO SERIES 1 CONTAINERS (Form FC3)
General Containers

Report Number (Office C/N)	*Test No. 9. End wall strength test*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**13**

End wall of container



Wall area	=	4.78	m^2
Load medium	=	Air Bag	
P	=	28,250	kg
Test load 0.4 P	=	11,300	kg
Load per cm^2	=	0.24 kg	$/cm^2$

Test No. 9a. End wall strength: rear door , deflections

CONDITION		1	2	3	4	5
Before loading	(a)	124	102	91	88	107
Under load	(b)	110	96	38	79	96
Deflection	(a) – (b)	14	6	53	9	11
After loading	(c)	122	100	87	86	104
Permanent deformation	(a) – (c)	2	2	4	2	3

Test No. 9b. End wall strength: front door, deflections

CONDITION		1	2	3	4	5
Before loading	(a)	129	107	102	99	108
Under load	(b)	125	103	78	94	100
Deflection	(a) – (b)	4	4	24	5	8
After loading	(c)	128	105	98	98	104
Permanent deformation	(a) – (c)	1	2	4	1	4

Comments: Satisfactory

H.Q.Li

Inspector

PROTOTYPE TEST REPORT –
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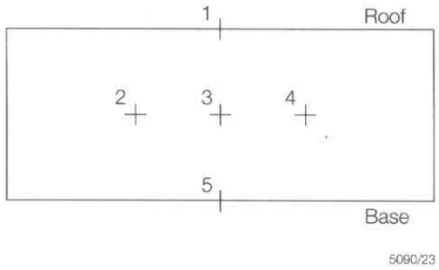
General Containers

Report Number (Office C/N)	*Test No. 10. Side wall strength test*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**14**

Side wall of container



Wall area	=	13.82	m^2
Load medium	=	Air Bag	
P	=	28,250	kg
Test load 0.6 P	=	16,950	kg
Load per cm^2	=	0.12	/cm^2

Test No. 10a. Side wall strength: side AC, deflections

CONDITION		1	2	3	4	5
Before loading	(a)	146	185	167	165	141
Under load	(b)	138	163	139	141	134
Deflection	(a) – (b)	8	22	28	24	7
After loading	(c)	142	181	164	161	140
Permanent deformation	(a) – (c)	4	4	3	4	1

Test No. 10b. Side wall strength: side BD, deflections

CONDITION		1	2	3	4	5
Before loading	(a)	/	/	/	/	/
Under load	(b)	/	/	/	/	/
Deflection	(a) – (b)	/	/	/	/	/
After loading	(c)	/	/	/	/	/
Permanent deformation	(a) – (c)	/	/	/	/	/

Comments: Satisfactory

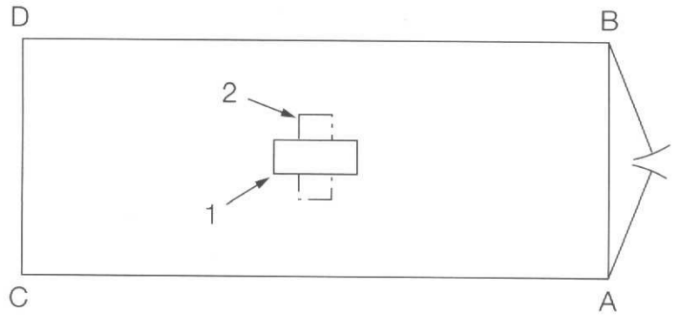
H.Q.Li

Inspector

PROTOTYPE TEST REPORT –
ISO SERIES 1 CONTAINERS (Form FC3)
General Containers

Report Number (Office C/N)	*Test No. 11. Roof strength test*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**15**

LOAD = 300 kgf



5090/24

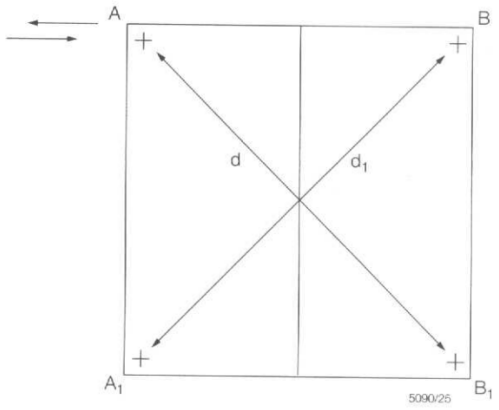
LOADS		DEFLECTIONS	
		1	**2**
0	(a)	125	130
Load	(b)	105	112
0	(c)	123	128
Permanent set	(a)-(c)	2	2

Comments: Satisfactory

H.Q.Li

PROTOTYPE TEST REPORT – ISO SERIES 1 CONTAINERS (Form FC3) General Containers

Report Number (Office C/N)	*Test No. 12. Transverse racking test – door end*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**16**



Test force = 150,000 newtons

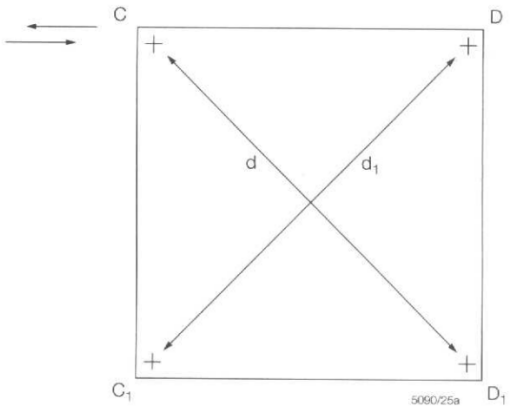
LOADING	CONDITION	TEST FORCE	DEFLECTIONS d	DEFLECTIONS d1	SUM OF CANGE IN LENGTH OF DIAGONALS
COMPRESSION	Before testing	0	(a) 0	(a) 0	
	During testing	150,000 newtons	(b) 28	(b) 22	
	Change in length (a) – (b)	0	28	+ 22	= 50
	After testing (†)	0	5	3	
TENSION	Before testing	0	(a) 0	(a) 0	
	During testing	150,000 newtons	(b) 21	(b) 30	
	Change in length (a) – (b)	0	21	+ 30	= 51
	After testing (*)	0	8	6	
	Permanent set (†) – (*)		3	3	

Comments: Satisfactory

H.Q.Li

PROTOTYPE TEST REPORT – ISO SERIES 1 CONTAINERS (Form FC3) General Containers

Report Number (Office C/N)	*Test No. 13. Transverse racking test – closed end*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**17**



Test force = 150,000 newtons

LOADING	CONDITION	TEST FORCE	DEFLECTIONS d	DEFLECTIONS d1	SUM OF CANGE IN LENGTH OF DIAGONALS
COMPRESSION	Before testing	0	(a) 0	(a) 0	
	During testing	150,000 newtons	(b) 7	(b) 5	
	Change in length (a) – (b)	0	7	+ 5	= 12
	After testing (†)	0	2	2	
TENSION	Before testing	0	(a) 0	(a) 0	
	During testing	150,000 newtons	(b) 9	(b) 4	
	Change in length (a) – (b)	0	9	+ 4	= 13
	After testing (*)	0	1	0	
	Permanent set (†) – (*)		1	2	

Comments: Satisfactory

H.Q.Li

PROTOTYPE TEST REPORT – ISO SERIES 1 CONTAINERS (Form FC3) General Containers

Report Number (Office C/N)	Test No. 14. Longitudinal racking test	Design Type Number	Page
SHI1683044		GB-LR 23503-02/2016	18

Test force = 75,000 newtons

LOADING	CONDITION		FORCE	DEFLECTIONS	
				Side AC	Side BD
COMPRESSION	Before test	(a)	0	115	121
	During testing	(b)	75,000 newtons	116	122
	Deflection	(b) – (a)	0	1	1
	After test	(c)	0	115	121
	Permanent set	(c) – (a)	0	0	0
TENSION	Before test	(a)	0	115	121
	During test	(b)	75,000 newtons	95	101
	Deflection	(b) – (a)	0	20	20
	After test	(c)	0	115	120.5
	Permanent set	(c) – (a)	0	0	0.5

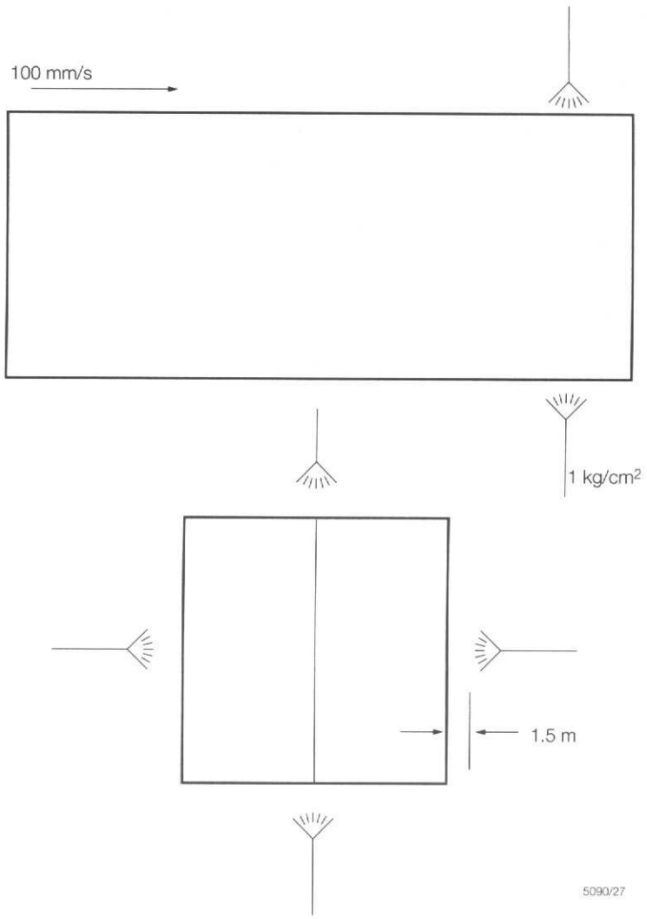
Comments: Satisfactory

H.Q.Li

Inspector

PROTOTYPE TEST REPORT – ISO SERIES 1 CONTAINERS (Form FC3) General Containers

Report Number (Office C/N)	*Test No. 15. Weathertightness test*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**19**



Comments: Satisfactory

H.Q.Li

Inspector

PROTOTYPE TEST REPORT – ISO SERIES 1 CONTAINERS (Form FC3) Summary

Report Number (Office C/N)	*Test No. 24. Control check of base deflections*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**20**

d = Deflection under load
p = Permanent set

TEST	MEASURED AT		Side Rail B_1-D_1		Side Rail A_1-C_1		Centre Cross Member		Front Sill		Intermediate Cross Member		Intermediate Cross Member		Rear Sill	
			1		2		3		4		5		6		7	
	CONDITION	POSITION	d	p	d	p	d	p	d	p	d	p	d	p	d	p
	Empty	On pads		0		0		0		0		0		0		0
Restraint	R-T	On pads	2		3		8		0		5		9		2	
Stacking	1.8R-T	On pads	5		5		20		0		18		15		2	
Top Lift	2R-T	On pads	5	1	5	1	20	1	0	0	18	1	15	1	2	1
Floor	7,260 kg	Test	2		2		17		0		7		5		5	
	Empty	On pads		1		1		1		0		1		1		1

Comments: When measuring by dial gauge, the gauges should be set at zero before commencing tests. If using piano wire, a convenient measurement should be recorded at commencement of Tests.

Satisfactory

H.Q.Li

Inspector

PROTOTYPE TEST REPORT – ISO SERIES 1 CONTAINERS (Form FC3) Additional Tests

Report Number (Office C/N)	*Test No. 25. Cargo securing systems - general cargo containers*	Design Type Number	Page
SHI1683044		**GB-LR 23503-02/2016**	**21**

TYPE	RATED LOAD		TEST LOAD		Comments
Anchor point		Kg		Kgf	
Roof point (lashing ring)	1,000	Kg	1,500	Kgf	Passed
Front corner post		Kg		Kgf	
Rear corner post		Kg		Kgf	
Bottom point (lashing ring)	1,000	Kg	1,500	Kgf	Passed

Comments: Satisfactory

N/A

Inspector

PROTOTYPE TEST REPORT –
ISO SERIES 1 CONTAINERS (Form FC3)
Tank Containers

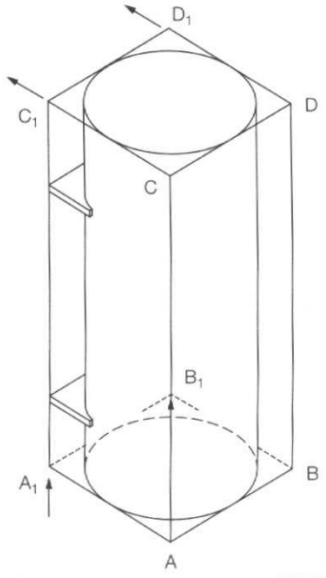
Report Number (Office C/N)	*Test No. 16. Longitudinal inertia test* *Test No. 17. Lateral inertia test*	Design Type Number	Page
SHI1683044		GB-LR 23503-02/2016	**22**

LONGITUDINAL INERTIA TEST

R = kg

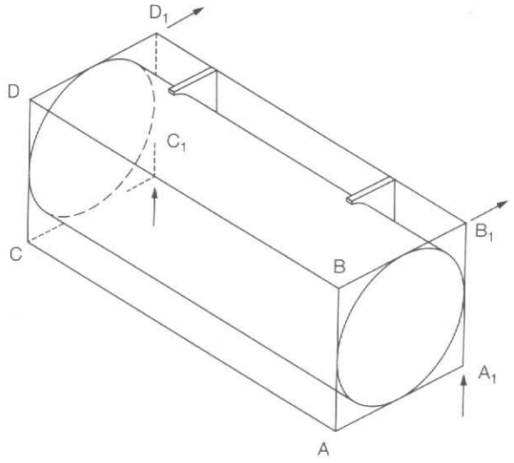
R – T = kg

Comments:



Inspector

LATERAL INERTIA TEST



R =	kg
R – T =	kg

Comments: Satisfactory

Inspector

PROTOTYPE TEST REPORT – ISO SERIES 1 CONTAINERS (Form FC3) Tank Containers

MAXIMUM ALLOWABLE WORKING PRESSURE (TANK)	TEST PRESSURE (TANK)	MAXIMUM ALLOWABLE WORKING PRESSURE (COILS)	TEST PRESSURE (COILS)
bar g	bar g	bar g	bar g

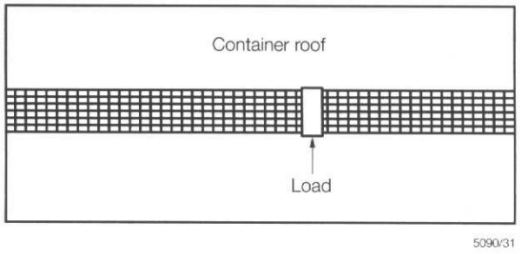
LIQUID CAPACITY =	l	No. OF COMPARTMENTS	CAPACITY
			l
			l
			l
			l

Comments: Satisfactory

Surveyor

WALKWAY TEST

LOAD = 300 kgf

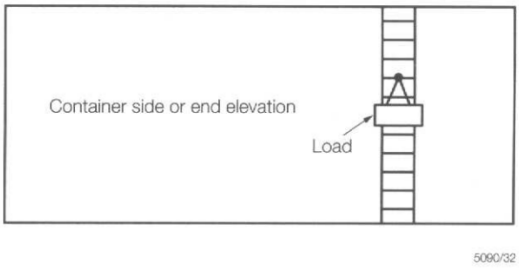


Comments: Satisfactory

Inspector

LADDER TEST

LOAD = 200 kgf



Comments: Satisfactory

Inspector

TEST CONDITIONS		
TEMPERATURE	**EXTERNAL**	**INTERNAL**
	°C	°C
Air pressure, internal: 25.4 ± 1 mm (1.0 ± 0.04 in) water gauge		
Air leakage rate m^3/hr	Specified air leakage rate	m^3/hr
Comments Satisfactory		

Inspector

METHOD USED: **(Tick one)**		Electric heating		Cryogenic fluid
		Heat sink		Other

Q_e = ˚C		S_e =	m^2
Q_i = ˚C		S_i =	m^2
Heat transfer rate, U	kcal/hr/ °C	Heat transfer rate at 20˚C U_{20}	kcal/hr/ °C
Coefficient of heat transfer, K	kcal/hr/°C /m^2		
Name of test facility			
Facility test report date			

Comments: Satisfactory

Inspector

PROTOTYPE TEST REPORT – ISO SERIES 1 CONTAINERS (Form FC3) Thermal Containers

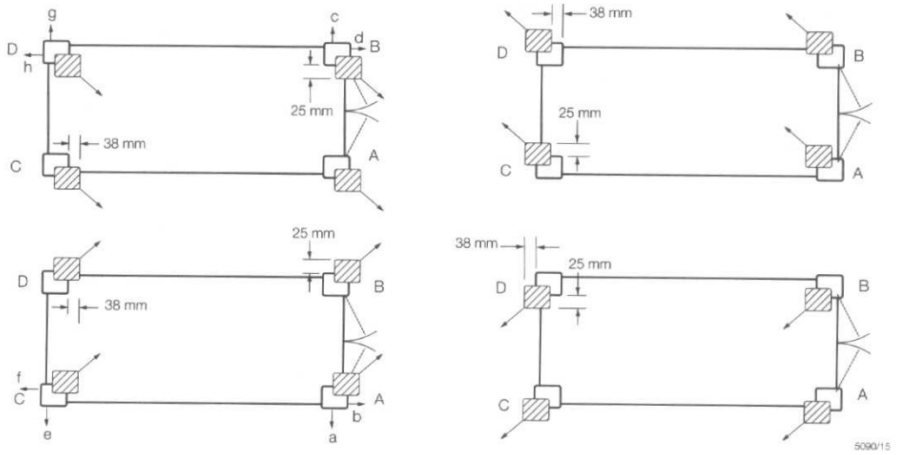
DESIGN TEMPERATURES	Inside °C	Ambient °C
DESIGN HEAT LEAKAGE OF CONTAINER		kcal/hr
CAPACITY OF HEATER		kcal/hr

AVERAGE TEMPERATURES

INSIDE		AMBIENT	
Start (Design temperature)	°C		°C
30 minutes	°C		°C
1 hour	°C		°C
1.5 hours	°C		°C
2 hours	°C		°C
2.5 hours	°C		°C
3 hours	°C		°C
3.5 hours	°C		°C
4 hours	°C		°C

Comments: Satisfactory

Inspector



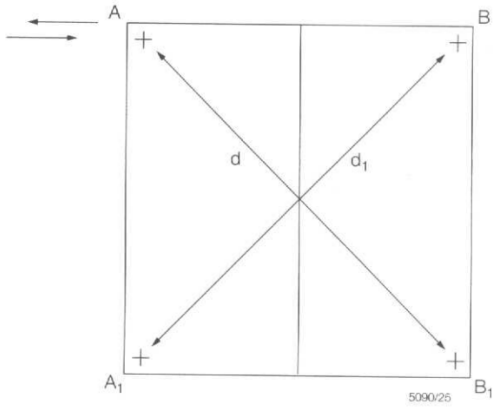
R = kg	1.8R - T = kg	Test load = kg/post

		SUMMARY OF CONRNER STRUCTURE DEFLECTIONS FOR EACH TEST								LENGTH OF CORNER STRUCTURES			
LOAD		a	b	c	d	e	f	g	h	A – A_1	B – B_1	C – C_1	D – D_1
1	0 (i)					/	/	/	/			/	/
	LOAD					/	/	/	/			/	/
	DEFLECTION					/	/	/	/			/	/
	0					/	/	/	/			/	/
2	0					/	/	/	/			/	/
	LOAD					/	/	/	/			/	/
	DEFLECTION					/	/	/	/			/	/
	0					/	/	/	/			/	/
3	0					/	/	/	/			/	/
	LOAD					/	/	/	/			/	/
	DEFLECTION					/	/	/	/			/	/
	0					/	/	/	/			/	/
4	0					/	/	/	/			/	/
	LOAD					/	/	/	/			/	/
	DEFLECTION					/	/	/	/			/	/
	0 (ii)					/	/	/	/			/	/
Permanent set (i-ii)						/	/	/	/			/	/

Comments: **Satisfactory.**

Inspector

PROTOTYPE TEST REPORT – ISO SERIES 1 CONTAINERS (Form FC3) Additional Tests



Test force = kgf

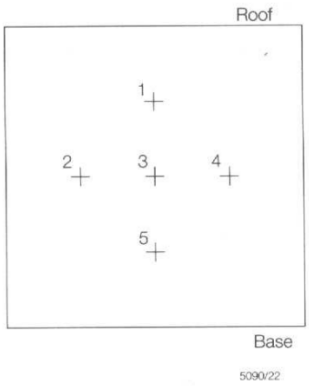
LOADING	CONDITION	TEST FORCE	DEFLECTIONS d	DEFLECTIONS d_1	SUM OF CANGE IN LENGTH OF DIAGONALS
COMPRESSION	Before testing (†)	0	(a)	(a)	
	During testing	kg	(b)	(b)	
	Change in length (a) – (b)	0	+		=
	After testing	0			
TENSION	Before testing	0	(a)	(a)	
	During testing	kg	(b)	(b)	
	Change in length (a) – (b)	0	+		=
	After testing (*)	0			
	Permanent set (†) – (*)				

Comments: **Satisfactory.**

Inspector

PROTOTYPE TEST REPORT – ISO SERIES 1 CONTAINERS (Form FC3) Additional Tests

End wall of container



Wall area	=	cm²
Load medium	=	Air Bag
Payload P	=	kg
Test load _____P	=	kg
Load per cm²	=	kg/cm²

Test No. 9a. End wall strength: door end, deflections

CONDITION		**1**	**2**	**3**	**4**	**5**
Before loading	(a)				/	
Under load	(b)				/	
Deflection	(a) – (b)				/	
After loading	(c)				/	
Permanent deformation	(a) – (c)				/	

Test No. 9b. End wall strength: closed end, deflections

CONDITION		**1**	**2**	**3**	**4**	**5**
Before loading	(a)	/	/	/	/	/
Under load	(b)	/	/	/	/	/
Deflection	(a) – (b)	/	/	/	/	/
After loading	(c)	/	/	/	/	/
Permanent deformation	(a) – (c)	/	/	/	/	/

Comments: **Witnessed.**

Inspector